jbr
environmental consultants, inc.

8160 South Highland Drive • Sandy, Utah 84093 • (801) 943-4144 • Fax (801) 942-1852

M/023/007

July 25, 2000

Mr. Don Ostler, P.E.
Director
Utah Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870

Via Courier

RE: Pregnant Pond Liner Repair and Test Certification - North Lily Mining Company, Silver Peak Facility

Dear Mr. Ostler:

Enclosed please find one copy of a packet, prepared by Rainy Day Water, Inc., containing the subject certification. These materials were delivered to JBR on July 24. We apologize for the delay in submitting these materials. The liner repair work on the pregnant pond was performed by Rainy Day Water, a subcontractor to JBR, on Saturday, July 1. Included in the packet are the following: the Air Pressure Test Certification; a summary of the air pressure (air lancing) test procedure; Rainy Day Water's daily work report; and a series of color photographs documenting the work done and the pregnant pond liner condition on the day of the repairs.

The subcontractor has not provided a certification for the vacuum tests as we have requested. Mr. Shubert observed the vacuum testing on July 1 and the attached photographic documentation references vacuum testing. If the air lance test certification is not sufficient documentation of the liner repairs, then please respond to the undersigned and we will request that a supplementary certificate be issued. We did not want to further delay this submittal by requesting and waiting for this additional documentation to be provided.

Please direct any questions you may have regarding this matter to the undersigned.

Sincerely,

Robert J. Bayer
Vice President

cc: Dennis Frederick, DWQ (w/attachment)
Fred Pehrson, DWQ
Beth Wondimu, DWQ
Mary Ann Wright, Division of Oil Gas and Mining
Wayne Hedburg, Division of Oil Gas and Mining (w/attachment)
Stephen Flechner, North Lily Mining Company (w/attachment)
Mike Keller, VanCott Bagley

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RAINY DAY WATER
INCORPORATED

Air Pressure Test Certification

Customer: J.B.R Environmental Consultants / Lily Mine

Project: North Lily Mine

Basin/s: Pregnant Solution Pond

I/We Michael D. Willey of Rainy Day Water, Inc. 2460 S. 3200 W. Ste. 7 West Valley City, UT. Do hereby certify that all ~~solvent~~ weld repairs on the Pregnant Solution Pond at the North Lily Mine, Eureka, Nevada were preformed and tested as per Manufacturer Recommendation on the 1st. Day of July 2000.

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Date: 7-21-2000
R.D.W. Representative Michael D. Willey
Position: Owner / VP-Secretary
Signature: Michael D. Willey

2460 South 3200 West, Suite 7 West Valley City, Utah 84119 (801) 975-8915 1-800-799-3959 Fax: (801)975-8916

Burke Environmental Products
a division of Burke Industries
2250 South Tenth Street, San Jose, CA 95112
(408) 297-3500 or (800) 669-7010 FAX: (408) 280-0699

RECOMMENDED FIELD PRACTICES FOR

INSTALLING BURKE FLEXIBLE MEMBRANE LINERS

1. Position panels according to the layout drawing - observing the unroll instructions on the protective cover. Do not remove this cover until ready to deploy the panel.

2. Deploy only the panels that will be field-seamed during that workday. Sandbag the edges to prevent wind pickup and to resist shrinkage in the hot sunlight. Complete deployment and sandbagging of each panel before uncovering the next. Do not leave a partially deployed panel exposed to the sun.

3. Deploy the day's panels when there is little or no wind to lift or whip the material. Do not deploy panels stiff from the cold, as cracking at the folds may occur. Minimum temperature for deployment will vary according to the material. Consult Burke when panel deployment will take place when the material temperature is below 40 ° .

   NOTE: The cold bend or brittleness temperatures listed in the product specifications are not indicative of material performance in deploying panels. These tests are based on a short-term cold exposure, and are meant only to characterize the material under a uniform test procedure.

4. Proceed with field seaming, using the recommended procedures for the material involved - including prewash, if needed. Samples of field seams should be taken for testing against bonded seams strength requirements. As a minimum, at least one random sample of each seaming crew's seams should be taken each working day; greater sampling frequency gives greater assurance of acceptability of seam quality.

5. Every field seams should be inspected and tested non-destructively along its entire length at the end of the day's seaming. Various methods, techniques and equipment may be specified by the quality control inspector. Burke recommends the use of an "Air Lance" as a simple but reliable means of seam testing. All Burke factory seams are "Air Lanced" prior to shipment of finished panels. A brief description of the test procedure follows:

AIR LANCING OF SEAMS

A source of compressed air (40-60 psi) is needed - flow rates are minimal. A wind of pipe five feet long is used with a hose connection to the compressor at one end and a 90 ° ell with an orifice tapering to 3/16" at the other. Holding the wand at approximately a 45 ° angle, with the 3/16" nozzle tip parallel to the ground, the operator walks the seam at a normal pace. The 3/16" nozzle is held near the ground within an inch oF the edge of the top flap, pointing at the edge so that the compressed air will blow a bubble under any unbonded edges. The results are both visual and audible. The material will flutter and a "Bronx Cheer" will be heard wherever there is a loose, unbonded edge in the seam.

6. The combination of field seam samples, tested against bonded seam requirements, and the non-destructive 100% seam "Air Lance" testing, are needed to assure field seam integrity and reliability. Repairs of unbonded or low-bond areas are covered in the appropriate field seaming bulletin for the Burke liner material being installed.

RAINY DAY WATER, INC.

2460 South 3200 West Suite 7 West Valley City, Utah 84119
Tel.(801)975-8915 Toll Free 800 799-3959 Fax (801) 975-8916

Daily Status and Time Record

Project Name: North Lily Mine **Date:** 7/1/00 **Day:** Saturday

Material Type	Total Sq. Ft. Delivered	SF. Installed to Date	SF. Installed Today	Estimated SF. Remaining
40 Mil PVC OR	396	360	360	36

Total Days Bid to Complete Project	Total Days Worked on Project to Date	Total Days Remaining to Complete Project	Estimated Over/Under Bid Days	% of Deployed Materials Completed	% of Deployed Materials Tested	% of Tested Materials Signed off	Misc. Expenses	Vehicle & Gasoline Expenses	Per-Diem Expenses
1	1	0	0	100	100	100			30.00

#	Employee	Time In	Lunch	Time Out	Total Hours	Travel	Per-Diem	Motel	Deployment	Welding	QA/QC Testing	Other Description of Work on Project
1												
2	Michael D. Willey	5:30	0.5	9:00	15	3	30.00	No		X	A.L.	Documentation
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												

Comments: Document- Weather Site Conditions, Problems, Extra Work, Equipment Needed, and General Work Preformed or Completed To

Leave S.L.C. 5:30 A.M. drive to Eureka, UT. Met with Walt Shubert and mine personnel inspected areas to be repaired. Cut out jagged areas so I could tuck patches under pond liner this surface is much cleaner than the top surface. By the time I cut and placed the last patch the first was warm enough to patch without the use of a heat gun. All surfaces prewiped with Methyl Ethyl Keytone and bonded with P-70B Adhesive. After welding the four main patches I walked the pond and found two dime size holes just below Repair #4 S.E. corner and a deep scratch 45" long aprox. 50' from N.E. Corner 3' above current water level. After patching these areas I took a 30 minute break than set up and began testing. All patches installed by Rainy Day Water were tested as well as patches placed by mine personnel. After fixing all defects I cleand up and left site at 7:30 P.M.

Reviewed and signed by Superintendent and owners Representative:

Rainy Day Water, Inc. Supervisor Michael D. Willey

POND OVERVIEW

From S.E. corner looking N.W.

From office trailer looking S.E.

Four Major Repairs

#1 30' From N.E. Corner #2 18' From N.E. Corner #3 In N.E. Corner

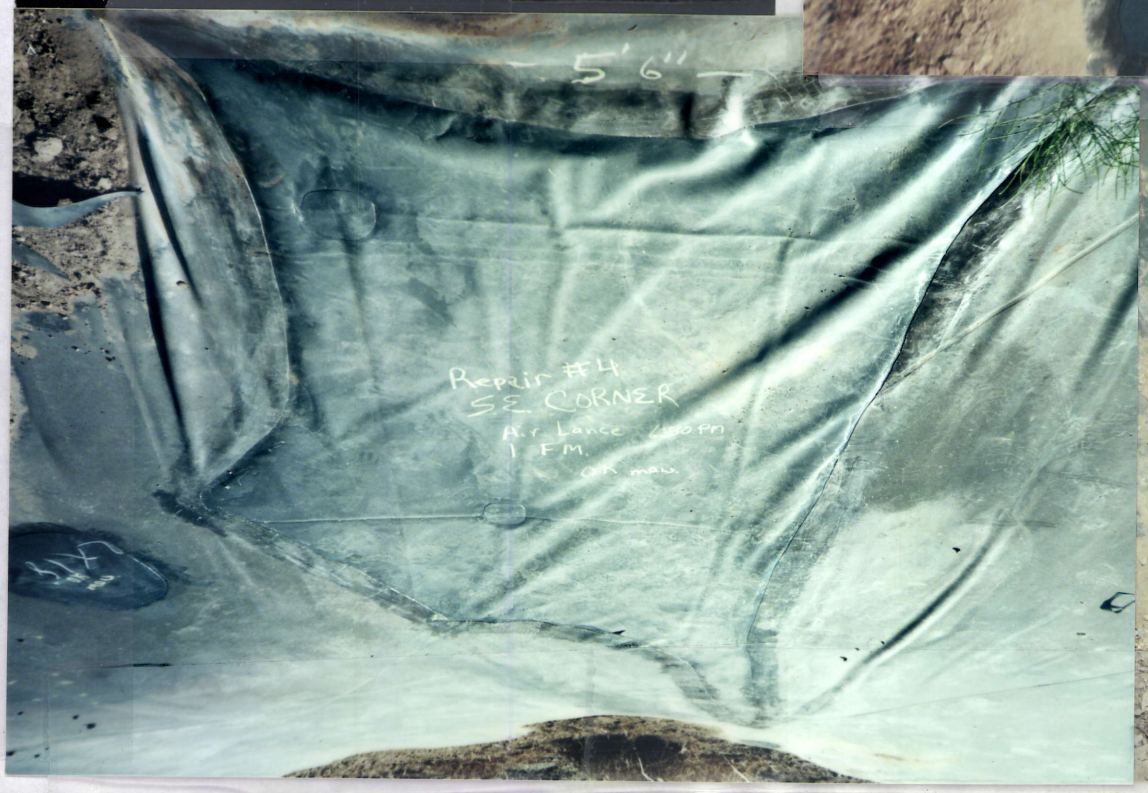
#4 In S.E.

Repair # 1 30' from N.E. Corner Nth Slope

Repair # 2 Aprox. 18' from N.E. Corner Nth Slope

Repair # 3 Located In to just Sth of N.E. Corner

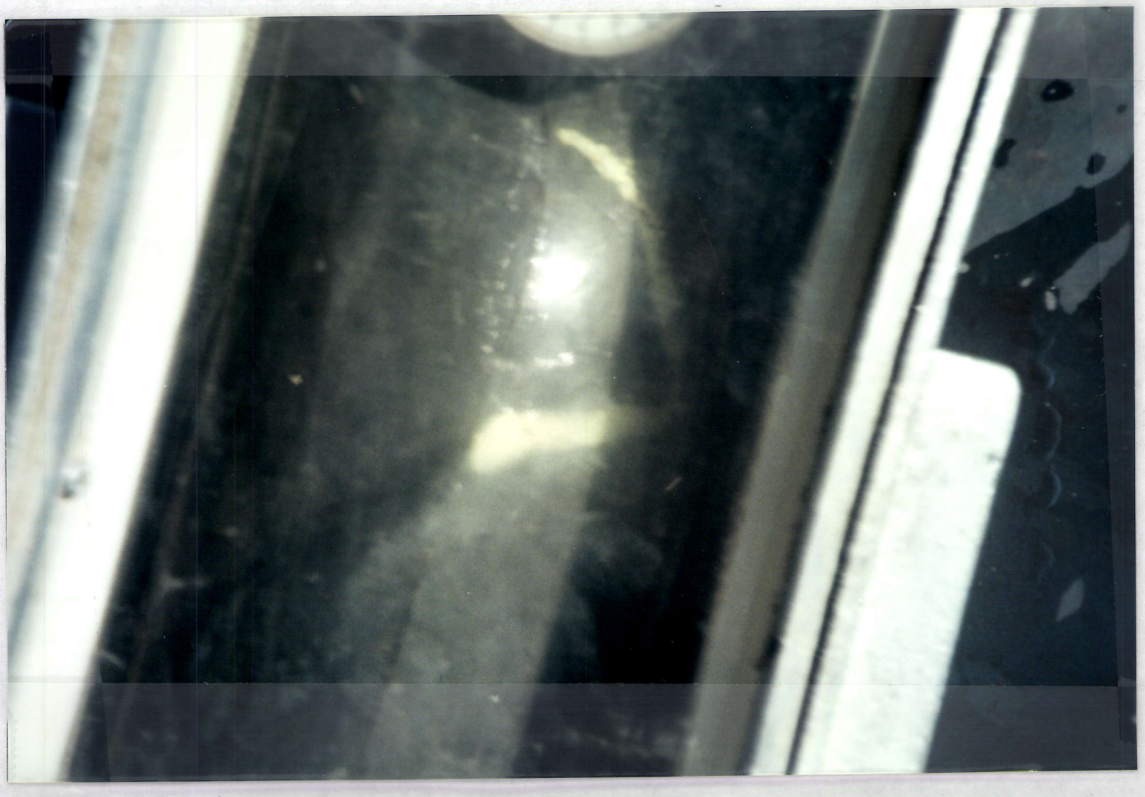
Repair # 4 Located In the S.E. Corner



Air Lance Test 60 PSI through 1/8" Orifice

Note Air Lance shows leak path and all nonbonded areas

Vacuum Test



Repair on East Slope 50' from N.E. Corner

All Patches tucked underneath for a cleaner welding surface